



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 11851445
SAU: Winthrop Public Schools
School: Winthrop Grade School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2009

Grade: 5

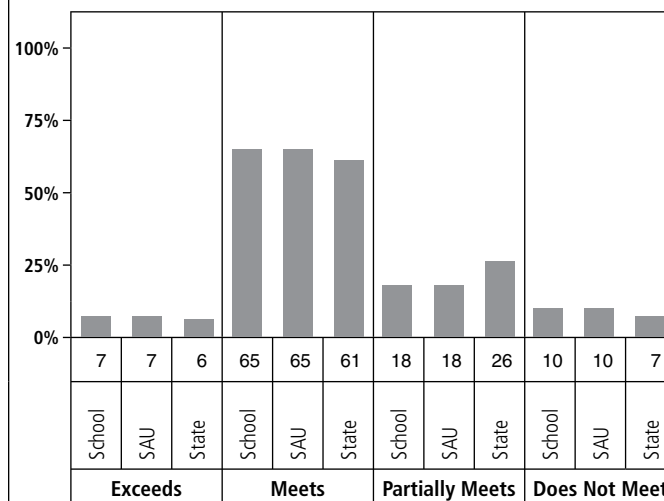
SAU: Winthrop Public Schools

School: Winthrop Grade School

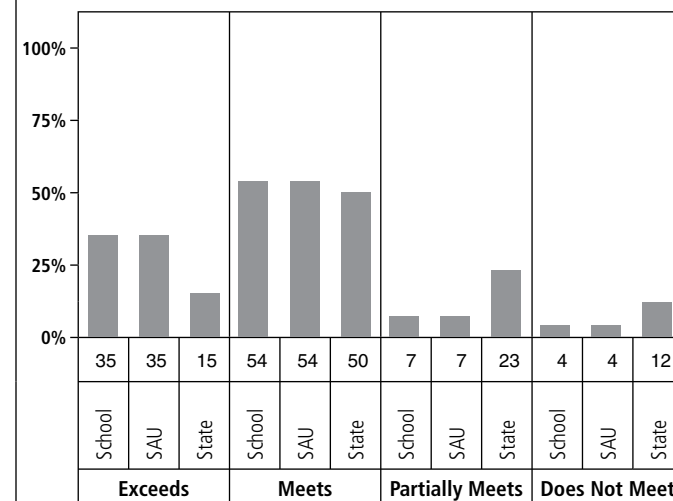
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	547	547	544
2007–2008	546	547	545
2008–2009	546	546	546
Cum. Avg.*	546	547	545
Mathematics			
2006–2007	552	552	546
2007–2008	554	554	546
2008–2009	555	555	547
Cum. Avg.*	554	554	546
Science			
2008–2009 **	546	546	543

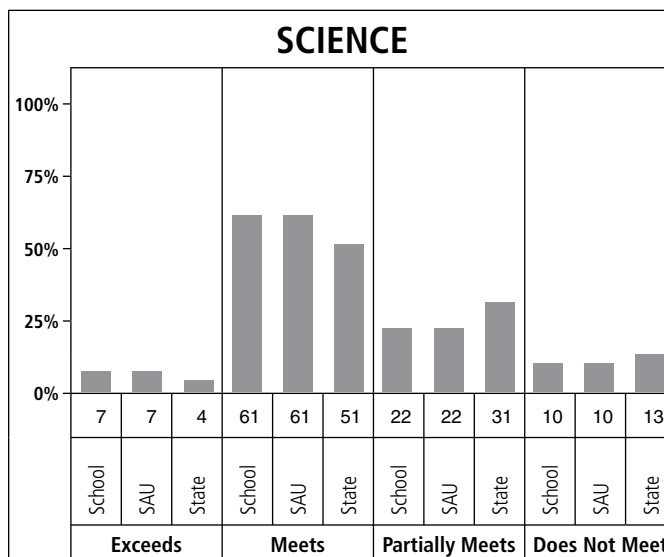
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: Winthrop Public Schools
School: Winthrop Grade School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Total number of students	73	100	73	100	14212	100	72	100	72	100	14135	100	72	100	72	100	14144	100	72	100	72	100	14137	100
Ethnicity African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	2	3	2	3	259	2	2	100	2	100	253	98	2	100	2	100	258	100	2	100	2	100	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	71	97	71	97	13271	93	70	100	70	100	13212	100	70	100	70	100	13211	100	70	100	70	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	11	15	11	15	2479	17	11	100	11	100	2454	100	11	100	11	100	2455	100	11	100	11	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	23	32	23	32	5848	41	23	100	23	100	5815	100	23	100	23	100	5819	100	23	100	23	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Participation without accommodations	57	78	57	78	10849	76	57	78	57	78	10872	76	57	78	57	78	10976	77
Identified disability (PET/IEP)	1	2	1	2	298	3	1	2	1	2	307	3	1	2	1	2	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
Participation with accommodations	15	21	15	21	3122	22	15	21	15	21	3124	22	15	21	15	21	3019	21
Identified disability (PET/IEP)	10	67	10	67	1992	64	10	67	10	67	2000	64	10	67	10	67	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	2	13	2	13	84	3	2	13	2	13	86	3	2	13	2	13	81	3
Other	3	20	3	20	907	29	3	20	3	20	886	28	3	20	3	20	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	1	1	1	19	0	1	1	1	1	19	0	1	1	1	1	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: Winthrop Public Schools
School: Winthrop Grade School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	3	6	3	6	702	5
	2007-2008	3	5	3	5	659	5
	2008-2009	5	7	5	7	836	6
	Cum. Total*	11	6	11	6	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	36	68	36	68	7730	55
	2007-2008	44	72	44	73	8195	58
	2008-2009	47	65	47	65	8495	61
	Cum. Total*	127	68	127	69	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	12	23	12	23	4182	30
	2007-2008	9	15	9	15	3800	27
	2008-2009	13	18	13	18	3667	26
	Cum. Total*	34	18	34	18	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	2	4	2	4	1419	10
	2007-2008	5	8	4	7	1362	10
	2008-2009	7	10	7	10	973	7
	Cum. Total*	14	8	13	7	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.0	64.6	31.0	64.6	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	14.7	61.3	14.7	61.3	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.3	67.9	16.3	67.9	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Winthrop Public Schools
 School: Winthrop Grade School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	72	5	7	47	65	13	18	7	10	546	72	7	65	18	10	546	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	2										2						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	70	5	7	46	66	13	19	6	9	547	70	7	66	19	9	547	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	11	0	0	3	27	3	27	5	45	534	11	0	27	27	45	534	2290	0	29	47	23	537
No	61	5	8	44	72	10	16	2	3	548	61	8	72	16	3	548	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	72	5	7	47	65	13	18	7	10	546	72	7	65	18	10	546	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	23	0	0	16	70	4	17	3	13	544	23	0	70	17	13	544	5716	2	51	35	12	542
No	49	5	10	31	63	9	18	4	8	548	49	10	63	18	8	548	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	72	5	7	47	65	13	18	7	10	546	72	7	65	18	10	546	13963	6	61	26	7	546
Gender																						
Female	38	4	11	27	71	3	8	4	11	548	38	11	71	8	11	548	6882	8	62	24	6	547
Male	34	1	3	20	59	10	29	3	9	544	34	3	59	29	9	544	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	6	0	0	1	17	2	33	3	50	533	6	0	17	33	50	533	1914	1	41	44	14	540
No	66	5	8	46	70	11	17	4	6	547	66	8	70	17	6	547	12057	7	64	23	6	547
Gifted/talented program																						
Yes	10	2	20	8	80	0	0	0	0	557	10	20	80	0	0	557	450	26	72	2	0	557
No	62	3	5	39	63	13	21	7	11	544	62	5	63	21	11	544	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: Winthrop Public Schools

School: Winthrop Grade School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	0	0	1	25	3	75	527	6	0	0	25	75	527	4	2	40	34	24	540
B. less than one hour	65	2	4	32	68	9	19	4	9	545	65	4	68	19	9	545	70	6	63	26	6	546
C. one to two hours	29	3	14	15	71	3	14	0	0	552	29	14	71	14	0	552	24	7	61	26	6	546
D. more than two hours	0										0						2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	38	3	11	19	70	3	11	2	7	549	38	11	70	11	7	549	36	10	67	18	5	549
B. good	39	2	7	20	71	4	14	2	7	548	39	7	71	14	7	548	47	5	62	27	6	546
C. fair	23	0	0	7	44	6	38	3	19	539	23	0	44	38	19	539	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	52	1	3	27	73	7	19	2	5	547	52	3	73	19	5	547	31	9	65	20	5	548
B. They match some of what I have learned.	44	4	13	19	61	6	19	2	6	548	44	13	61	19	6	548	55	5	63	27	5	546
C. They match just a little of what I have learned.	3	0	0	0	0	0	0	2	100	526	3	0	0	0	100	526	10	3	45	38	14	542
D. There is no match.	1	0	0	0	0	0	0	1	100	520	1	0	0	0	100	520	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	13	0	0	6	67	2	22	1	11	545	13	0	67	22	11	545	16	3	49	32	15	542
B. about the same as my regular schoolwork	63	5	11	29	64	6	13	5	11	547	63	11	64	13	11	547	64	7	63	25	5	547
C. easier than my regular schoolwork	24	0	0	11	65	5	29	1	6	546	24	0	65	29	6	546	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	8	0	0	3	50	2	33	1	17	538	8	0	50	33	17	538	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	49	3	9	21	60	5	14	6	17	545	49	9	60	14	17	545	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	42	2	7	22	73	6	20	0	0	550	42	7	73	20	0	550	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	10	1	14	4	57	2	29	0	0	551	10	14	57	29	0	551	20	10	64	21	5	548
B. 20 minutes to an hour	68	4	8	36	73	6	12	3	6	548	68	8	73	12	6	548	56	7	65	24	5	547
C. less than 20 minutes	11	0	0	4	50	3	38	1	13	542	11	0	50	38	13	542	10	3	52	33	12	543
D. I rarely read at home.	11	0	0	3	38	2	25	3	38	535	11	0	38	25	38	535	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	24	2	12	7	41	6	35	2	12	542	24	12	41	35	12	542	25	3	53	33	11	543
B. six to ten pages	30	2	10	12	57	3	14	4	19	546	30	10	57	14	19	546	26	6	61	26	7	546
C. eleven or more pages	46	1	3	28	85	3	9	1	3	549	46	3	85	9	3	549	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	1	100	0	0	0	0	544	100	0	100	0	0	544						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: Winthrop Public Schools
School: Winthrop Grade School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	13	25	13	25	1711	12
	2007-2008	14	23	14	23	1617	12
	2008-2009	25	35	25	35	2119	15
	Cum. Total*	52	28	52	28	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	29	55	29	55	6778	48
	2007-2008	40	66	40	67	7284	52
	2008-2009	39	54	39	54	7046	50
	Cum. Total*	108	58	108	58	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	9	17	9	17	3884	28
	2007-2008	5	8	5	8	3341	24
	2008-2009	5	7	5	7	3193	23
	Cum. Total*	19	10	19	10	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	2	4	2	4	1683	12
	2007-2008	2	3	1	2	1778	13
	2008-2009	3	4	3	4	1638	12
	Cum. Total*	7	4	6	3	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	31.0	64.6	31.0	64.6	25.5	53.1
A. Number	18	38	11.3	62.8	11.3	62.8	9.8	54.4
B. Data	10	21	6.4	64.0	6.4	64.0	5.2	52.0
C. Geometry	10	21	6.5	65.0	6.5	65.0	4.7	47.0
D. Algebra	10	21	6.9	69.0	6.9	69.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Winthrop Public Schools
 School: Winthrop Grade School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	72	25	35	39	54	5	7	3	4	555	72	35	54	7	4	555	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	2										2						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	70	24	34	39	56	4	6	3	4	555	70	34	56	6	4	555	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	11	0	0	6	55	2	18	3	27	536	11	0	55	18	27	536	2307	3	32	32	33	536
No	61	25	41	33	54	3	5	0	0	559	61	41	54	5	0	559	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	72	25	35	39	54	5	7	3	4	555	72	35	54	7	4	555	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	23	4	17	17	74	2	9	0	0	553	23	17	74	9	0	553	5731	7	46	29	18	542
No	49	21	43	22	45	3	6	3	6	557	49	43	45	6	6	557	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	72	25	35	39	54	5	7	3	4	555	72	35	54	7	4	555	13988	15	50	23	12	547
Gender																						
Female	38	17	45	16	42	3	8	2	5	557	38	45	42	8	5	557	6889	14	51	23	12	546
Male	34	8	24	23	68	2	6	1	3	554	34	24	68	6	3	554	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	6	0	0	5	83	1	17	0	0	546	6	0	83	17	0	546	1918	3	39	36	22	539
No	66	25	38	34	52	4	6	3	5	556	66	38	52	6	5	556	12078	17	52	21	10	548
Gifted/talented program																						
Yes	10	8	80	2	20	0	0	0	0	572	10	80	20	0	0	572	450	64	34	2	0	564
No	62	17	27	37	60	5	8	3	5	553	62	27	60	8	5	553	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: Winthrop Public Schools

School: Winthrop Grade School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	0	0	1	25	3	75	516	6	0	0	25	75	516	4	8	38	26	28	539
B. less than one hour	65	14	30	29	62	4	9	0	0	556	65	30	62	9	0	556	70	15	52	23	10	547
C. one to two hours	29	11	52	10	48	0	0	0	0	562	29	52	48	0	0	562	24	15	51	23	11	547
D. more than two hours	0										0						2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	42	15	50	14	47	1	3	0	0	563	42	50	47	3	0	563	34	28	50	14	8	552
B. good	44	9	28	19	59	2	6	2	6	552	44	28	59	6	6	552	45	11	54	24	10	546
C. fair	11	1	13	4	50	2	25	1	13	544	11	13	50	25	13	544	18	3	45	33	19	540
D. poor	3	0	0	2	100	0	0	0	0	547	3	0	100	0	0	547	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	58	19	45	23	55	0	0	0	0	561	58	45	55	0	0	561	38	22	52	19	7	550
B. They match some of what I have learned.	32	6	26	14	61	3	13	0	0	554	32	26	61	13	0	554	48	12	53	24	11	546
C. They match just a little of what I have learned.	6	0	0	1	25	1	25	2	50	528	6	0	25	25	50	528	11	6	40	30	24	540
D. There is no match.	4	0	0	1	33	1	33	1	33	530	4	0	33	33	33	530	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	8	1	17	3	50	1	17	1	17	542	8	17	50	17	17	542	17	7	42	30	21	540
B. about the same as my regular schoolwork	58	17	40	21	50	3	7	1	2	557	58	40	50	7	2	557	64	15	53	23	10	547
C. easier than my regular schoolwork	33	7	29	15	63	1	4	1	4	556	33	29	63	4	4	556	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	1	0	0	0	0	0	0	1	100	514	1	0	0	0	100	514	7	6	39	27	27	539
B. 30–45 minutes	19	5	36	8	57	1	7	0	0	556	19	36	57	7	0	556	28	9	49	28	15	544
C. 45–60 minutes	71	19	37	27	53	4	8	1	2	558	71	37	53	8	2	558	41	17	53	21	9	548
D. more than 60 minutes	8	1	17	4	67	0	0	1	17	544	8	17	67	0	17	544	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	1	0	0	1	100	0	0	0	0	548	1	0	100	0	0	548	6	14	43	24	20	543
B. two or three days a week	4	0	0	2	67	1	33	0	0	547	4	0	67	33	0	547	24	17	52	21	10	548
C. two or three times each month	54	14	36	19	49	3	8	3	8	554	54	36	49	8	8	554	33	17	52	21	9	548
D. never or almost never	40	11	38	17	59	1	3	0	0	558	40	38	59	3	0	558	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	8	1	17	4	67	1	17	0	0	552	8	17	67	17	0	552	23	13	47	26	15	545
B. two or three days a week	14	4	40	5	50	1	10	0	0	555	14	40	50	10	0	555	31	17	52	21	10	548
C. two or three times each month	56	14	35	21	53	3	8	2	5	555	56	35	53	8	5	555	27	17	52	21	10	548
D. never or almost never	22	6	38	9	56	0	0	1	6	557	22	38	56	0	6	557	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	1	100	0	0	0	0	550	100	0	100	0	0	550						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: Winthrop Public Schools
School: Winthrop Grade School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	5	7	5	7	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	44	61	44	61	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	16	22	16	22	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	7	10	7	10	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	30.9	64.4	30.9	64.4	29.2	60.8
D. The Physical Setting	24	50	13.7	57.1	13.7	57.1	12.9	53.8
E. The Living Environment	24	50	17.1	71.3	17.1	71.3	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: Winthrop Public Schools
School: Winthrop Grade School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	72	5	7	44	61	16	22	7	10	546	72	7	61	22	10	546	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	2										2						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	70	5	7	43	61	16	23	6	9	546	70	7	61	23	9	546	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	11	0	0	3	27	4	36	4	36	533	11	0	27	36	36	533	2309	2	29	39	29	536
No	61	5	8	41	67	12	20	3	5	548	61	8	67	20	5	548	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	72	5	7	44	61	16	22	7	10	546	72	7	61	22	10	546	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	23	1	4	13	57	7	30	2	9	546	23	4	57	30	9	546	5729	2	42	37	20	539
No	49	4	8	31	63	9	18	5	10	546	49	8	63	18	10	546	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	72	5	7	44	61	16	22	7	10	546	72	7	61	22	10	546	13987	4	51	31	13	543
Gender																						
Female	38	2	5	23	61	8	21	5	13	546	38	5	61	21	13	546	6886	4	49	33	14	542
Male	34	3	9	21	62	8	24	2	6	546	34	9	62	24	6	546	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	6	0	0	2	33	3	50	1	17	539	6	0	33	50	17	539	1917	1	31	41	28	536
No	66	5	8	42	64	13	20	6	9	547	66	8	64	20	9	547	12078	5	55	30	11	544
Gifted/talented program																						
Yes	10	3	30	7	70	0	0	0	0	559	10	30	70	0	0	559	450	25	72	2	1	557
No	62	2	3	37	60	16	26	7	11	544	62	3	60	26	11	544	13545	4	51	32	13	543

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SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: Winthrop Public Schools

School: Winthrop Grade School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	0	0	1	25	3	75	519	6	0	0	25	75	519	4	2	37	35	25	538
B. less than one hour	65	2	4	31	66	10	21	4	9	546	65	4	66	21	9	546	70	4	53	31	12	544
C. one to two hours	29	3	14	13	62	5	24	0	0	551	29	14	62	24	0	551	24	5	51	31	12	544
D. more than two hours	0										0						2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	21	1	7	12	80	2	13	0	0	552	21	7	80	13	0	552	26	7	56	26	11	545
B. good	69	4	8	29	58	12	24	5	10	546	69	8	58	24	10	546	53	4	53	31	11	544
C. fair	8	0	0	3	50	2	33	1	17	542	8	0	50	33	17	542	18	2	41	39	17	540
D. poor	1	0	0	0	0	0	0	1	100	500	1	0	0	0	100	500	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	42	4	13	21	70	5	17	0	0	551	42	13	70	17	0	551	23	5	56	28	11	544
B. They match some of what I have learned.	42	1	3	17	57	9	30	3	10	545	42	3	57	30	10	545	48	5	52	31	12	544
C. They match just a little of what I have learned.	14	0	0	6	60	1	10	3	30	540	14	0	60	10	30	540	23	4	49	33	14	543
D. There is no match.	3	0	0	0	0	1	50	1	50	516	3	0	0	50	50	516	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	17	0	0	8	67	1	8	3	25	542	17	0	67	8	25	542	23	5	48	31	16	543
B. about the same as my regular schoolwork	62	4	9	29	66	9	20	2	5	548	62	9	66	20	5	548	58	4	52	32	12	543
C. easier than my regular schoolwork	21	1	7	6	40	6	40	2	13	544	21	7	40	40	13	544	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	25	3	17	11	61	3	17	1	6	550	25	17	61	17	6	550	33	5	51	31	14	543
B. a few times a week	66	2	4	29	62	13	28	3	6	546	66	4	62	28	6	546	45	4	52	32	11	544
C. once a week	3	0	0	2	100	0	0	0	0	547	3	0	100	0	0	547	8	4	50	30	16	542
D. a few times a month	6	0	0	1	25	0	0	3	75	522	6	0	25	0	75	522	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	13	1	11	4	44	3	33	1	11	542	13	11	44	33	11	542	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	21	0	0	10	67	3	20	2	13	543	21	0	67	20	13	543	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	50	3	8	23	64	7	19	3	8	548	50	8	64	19	8	548	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	17	1	8	7	58	3	25	1	8	545	17	8	58	25	8	545	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	32	2	9	14	61	6	26	1	4	548	32	9	61	26	4	548	47	4	51	32	12	543
B. a few times a month	51	3	8	22	59	8	22	4	11	546	51	8	59	22	11	546	27	5	54	30	11	544
C. once a month	3	0	0	2	100	0	0	0	0	554	3	0	100	0	0	554	10	5	49	30	15	543
D. never or almost never	14	0	0	6	60	2	20	2	20	539	14	0	60	20	20	539	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	25	2	11	10	56	6	33	0	0	547	25	11	56	33	0	547	46	4	52	32	12	543
B. a few times a month	57	3	7	26	63	8	20	4	10	547	57	7	63	20	10	547	28	5	53	30	12	544
C. once a month	7	0	0	3	60	1	20	1	20	539	7	0	60	20	20	539	11	4	47	34	15	542
D. never or almost never	11	0	0	5	63	1	13	2	25	542	11	0	63	13	25	542	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	1	100	0	0	0	0	548	100	0	100	0	0	548						

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N = Number